

FIG.1

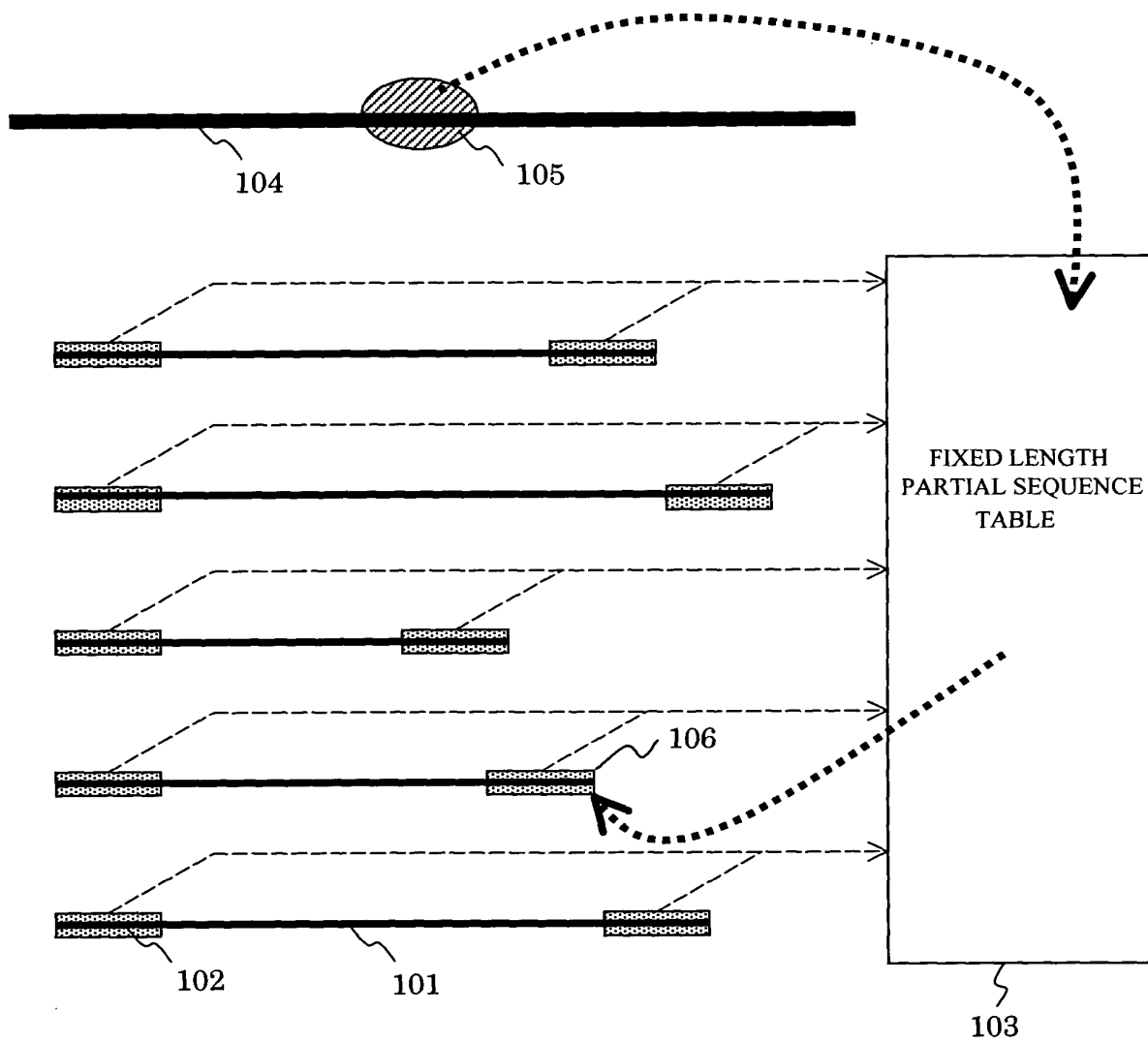


FIG.2

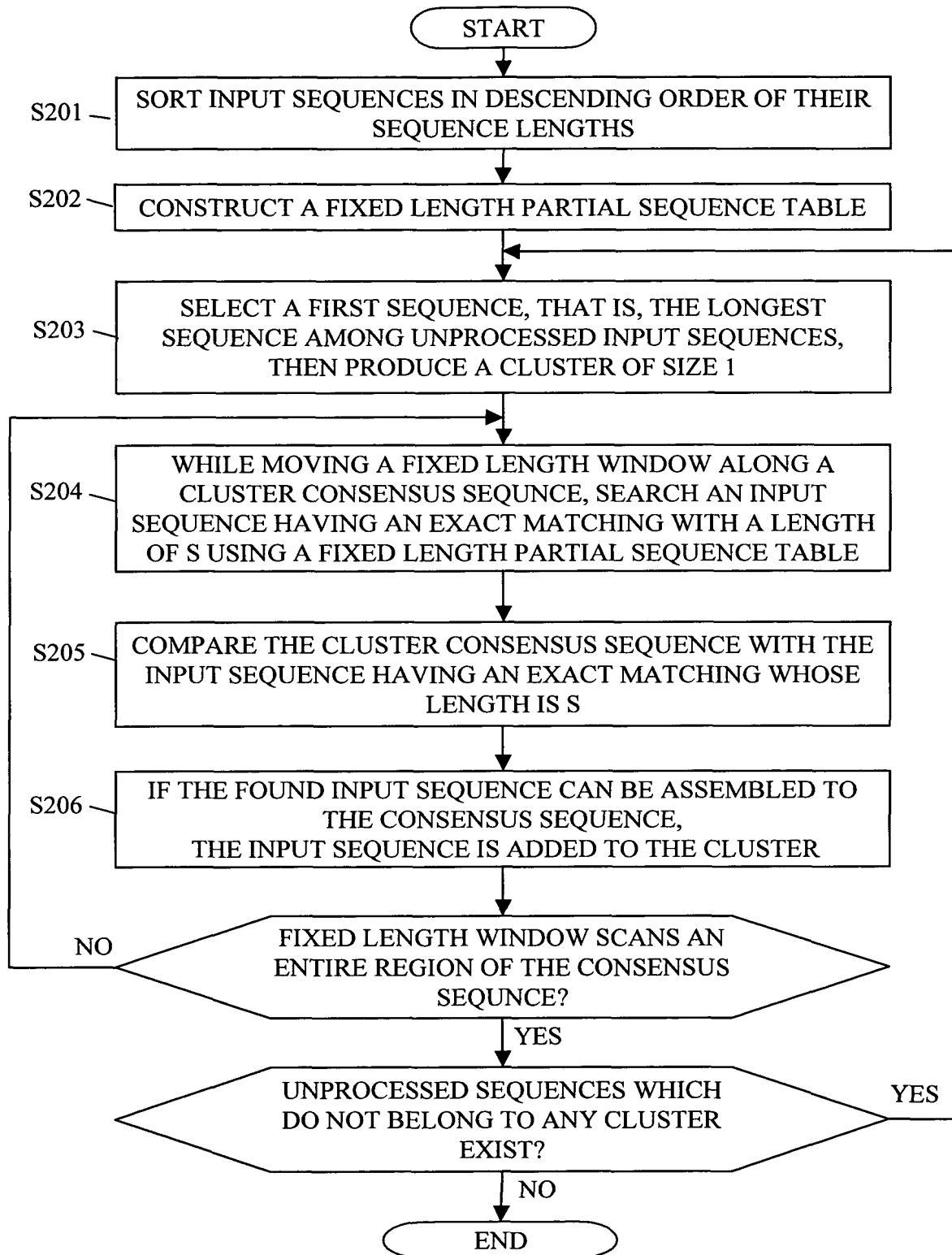


FIG.3

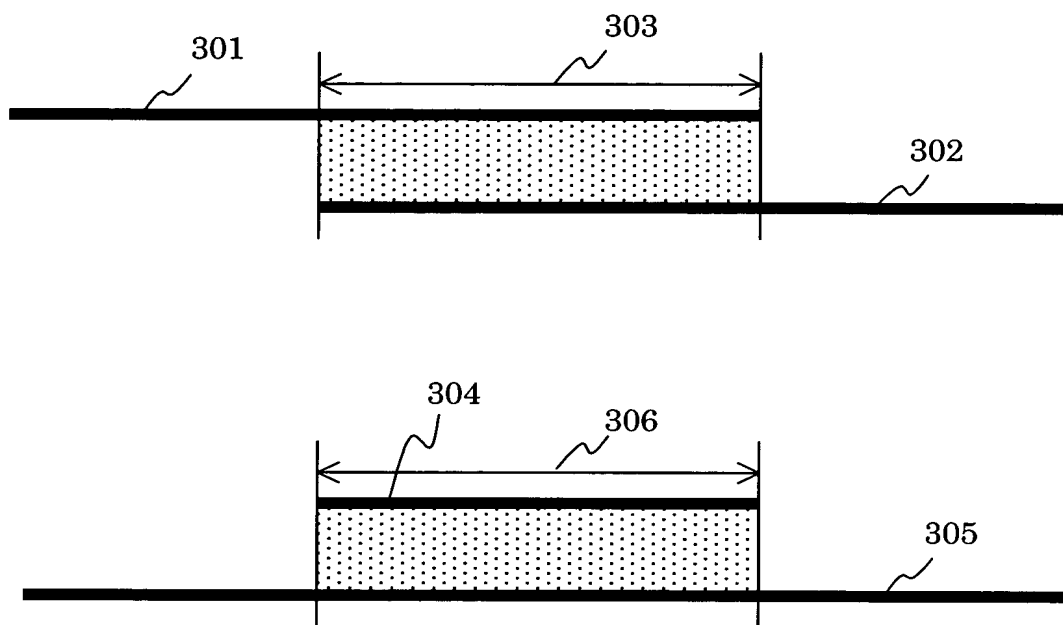
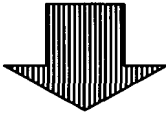
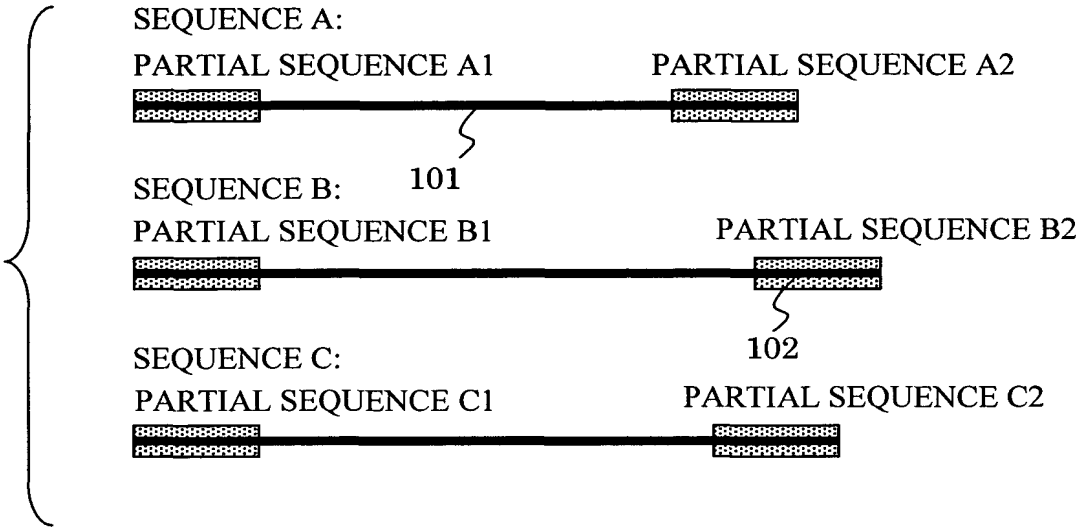


FIG.4



103

| PARTIAL SEQUENCE | INPUT SEQUENCE | POSITION |
|------------------|----------------|----------|
| A1               | A              | 0        |
| A2               | A              | 400      |
| B1               | B              | 0        |
| B2               | B              | 500      |
| C1               | C              | 0        |
| C2               | C              | 450      |

401

402

FIG.5

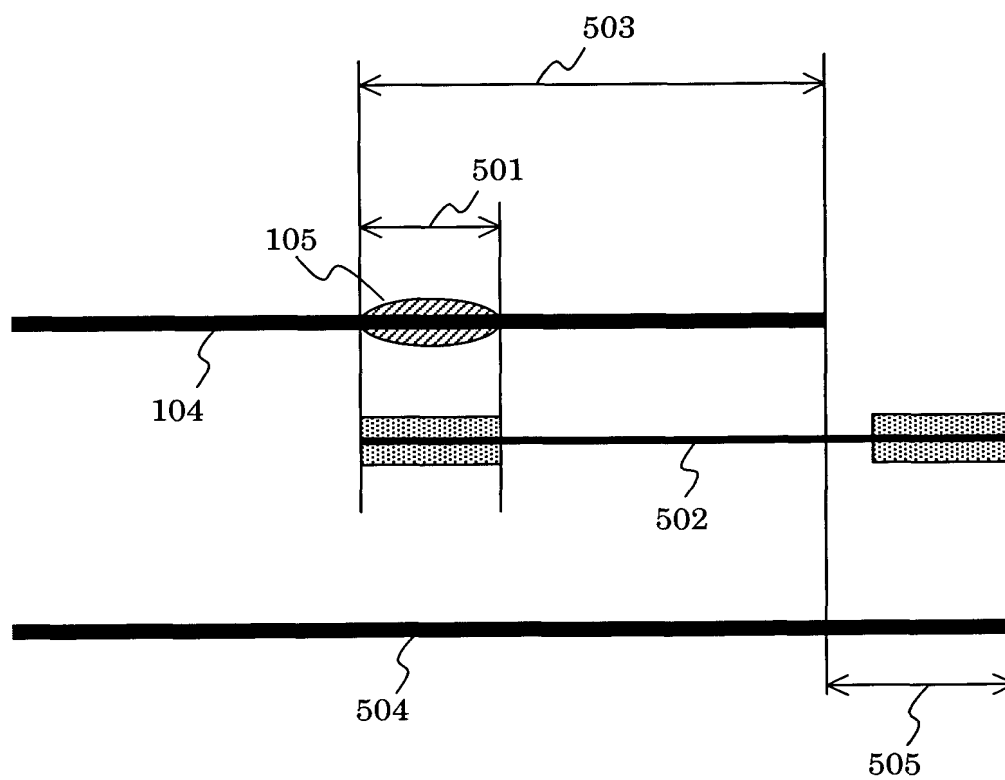


FIG.6

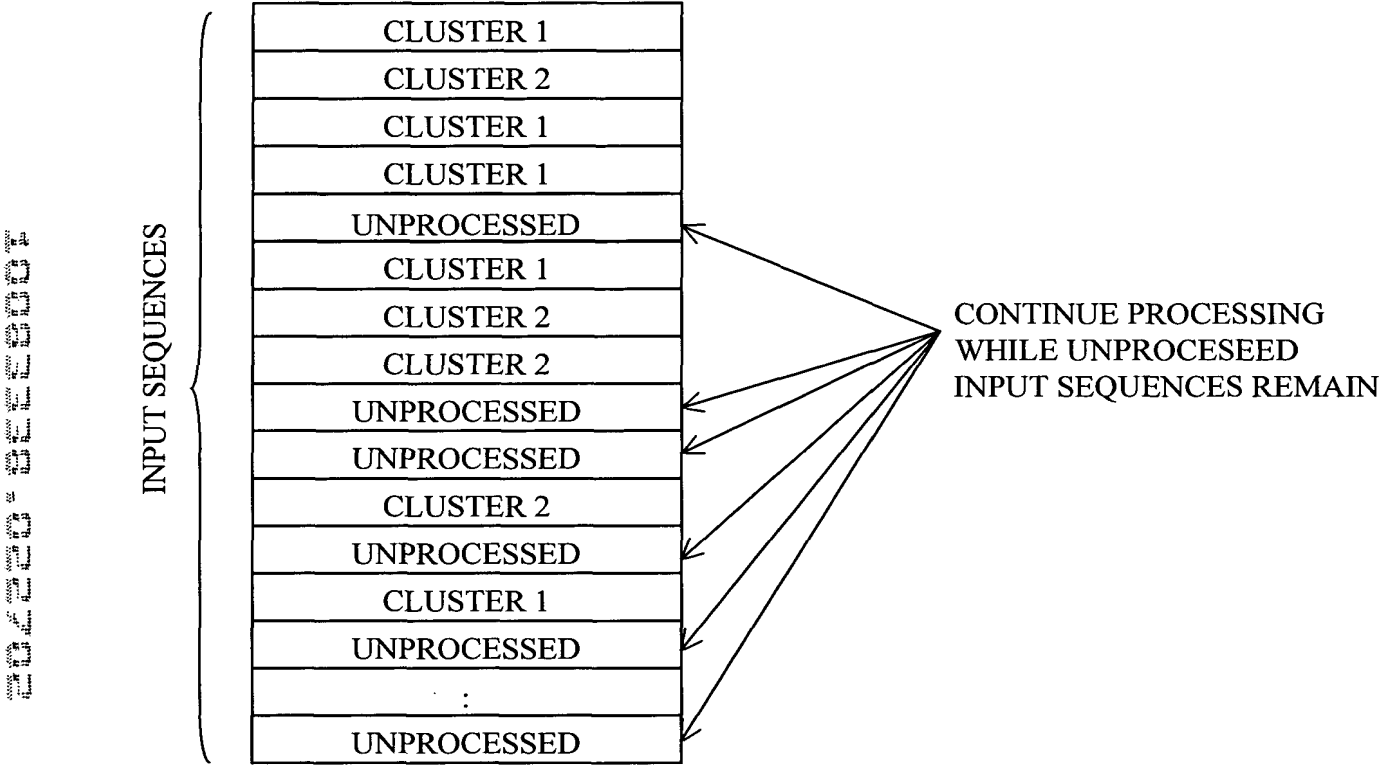
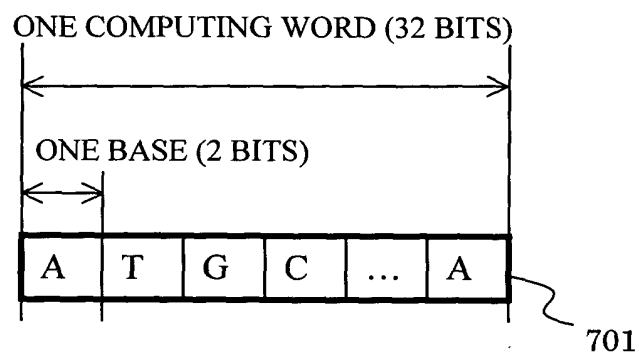


FIG.7

IF ONE COMPUTING WORD IS USED



IF TWO COMPUTING WORDS ARE USED

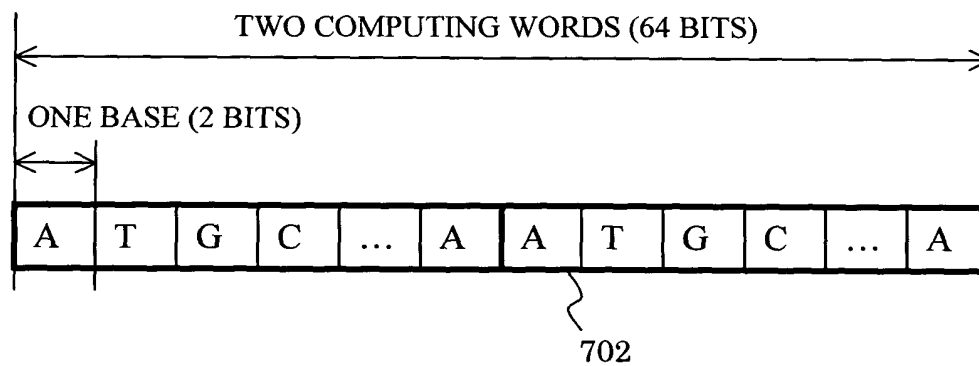
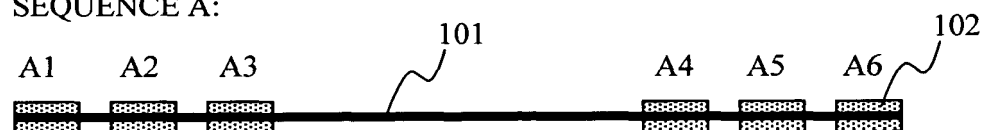


FIG.8

SEQUENCE A:



SEQUENCE B:



SEQUENCE C:





FIG.9

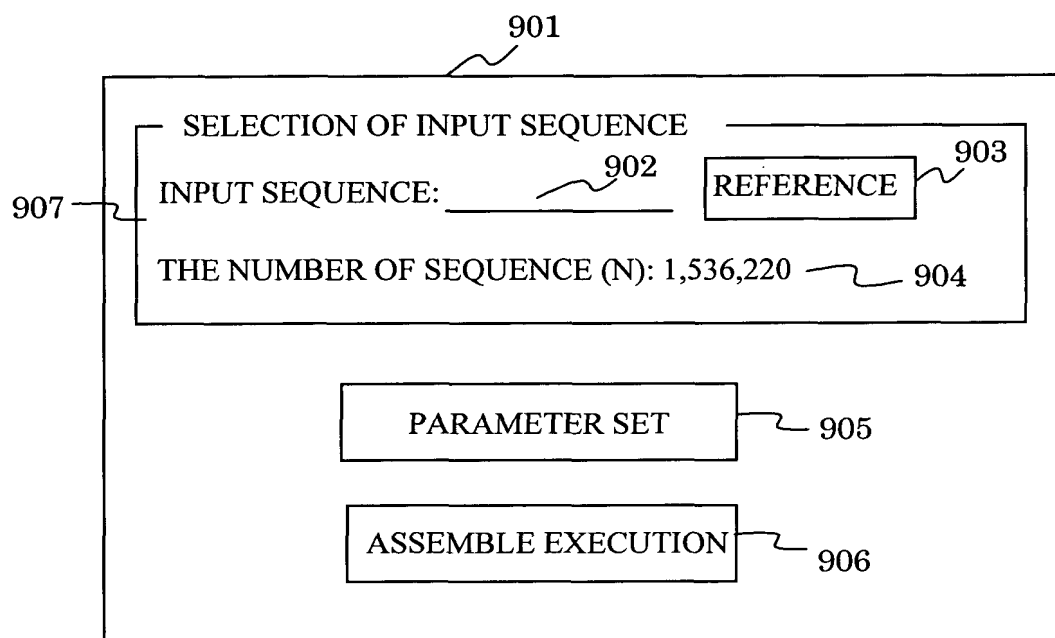


FIG.10

1001

SELECTION OF FIXED LENGTH PARTIAL SEQUENCE POSITION

1021 THE NUMBER OF FIXED LENGTH PARTIAL SEQUENCES (K): 6 1002

UPPER LIMIT OF DISTANCE FROM END OF SEQUENCE (R): 63 1003

1004

SETTING OF FIXED LENGTH PARTIAL SEQUENCE LENGTH

1022 UPPER LIMIT OF EXPECTED VALUE OF THE NUMBER OF COINCIDENTAL MATCHING OCCURRENCE (c): 0.125 1008

FIXED LENGTH PARTIAL SEQUENCE LENGTH (s): 13 1009

FIXED LENGTH PARTIAL SEQUENCE KEY FREQUENCY UPPER LIMIT

1023

UPPER LIMIT (F): 10 1011

1013

1014

1017

INFINITY ☒ 1012

|       |       |   |
|-------|-------|---|
| ATGCA | 12345 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> <div style="width: 10px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></div> </div> |
| GCAAT | 36    |   |
| GGCAC | 5     |   |
| TATGG | 5     |   |
| ...   |       |   |

1016

1015

OK 1018

Cancel 1019

FIG.11

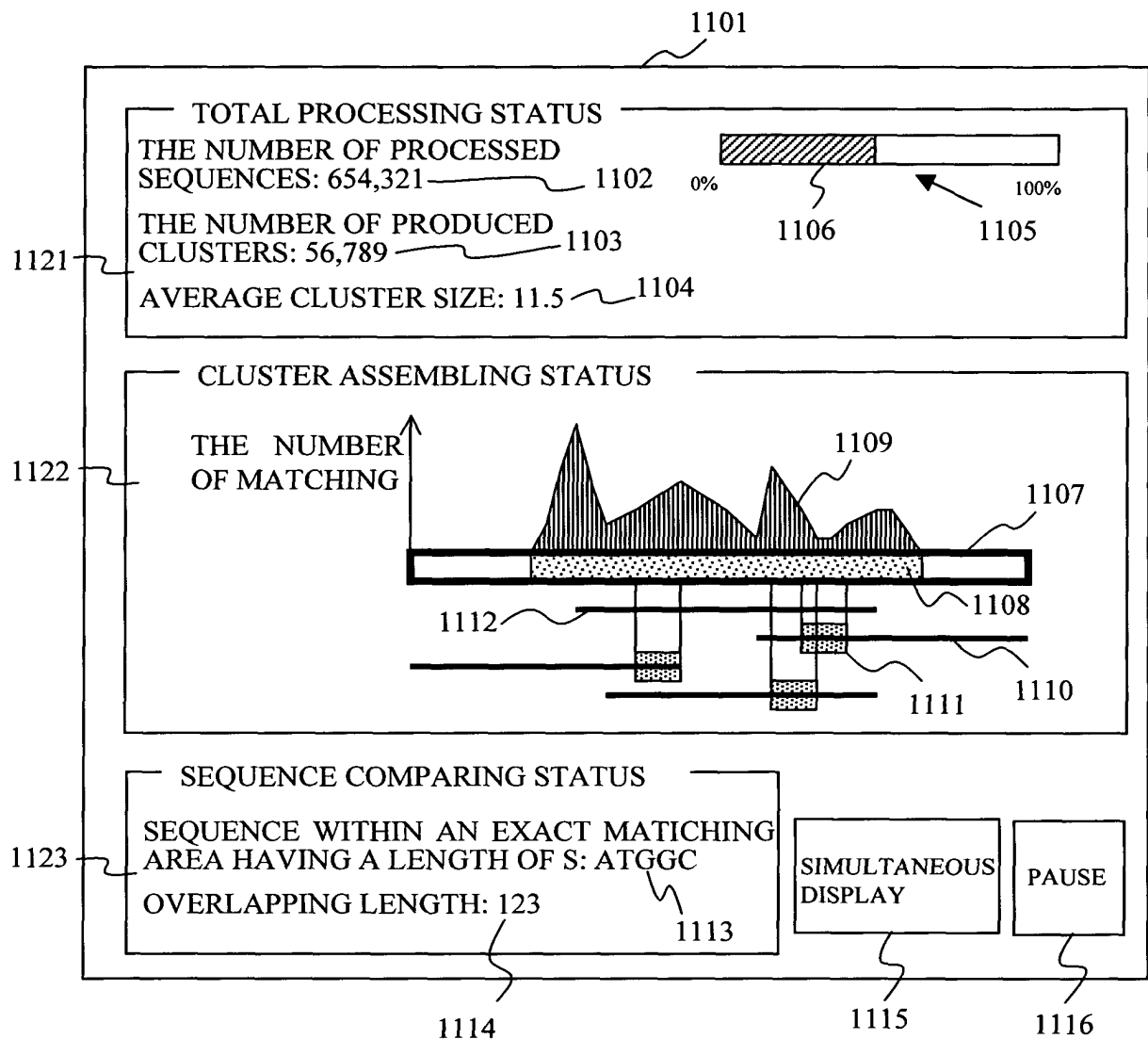


FIG.12

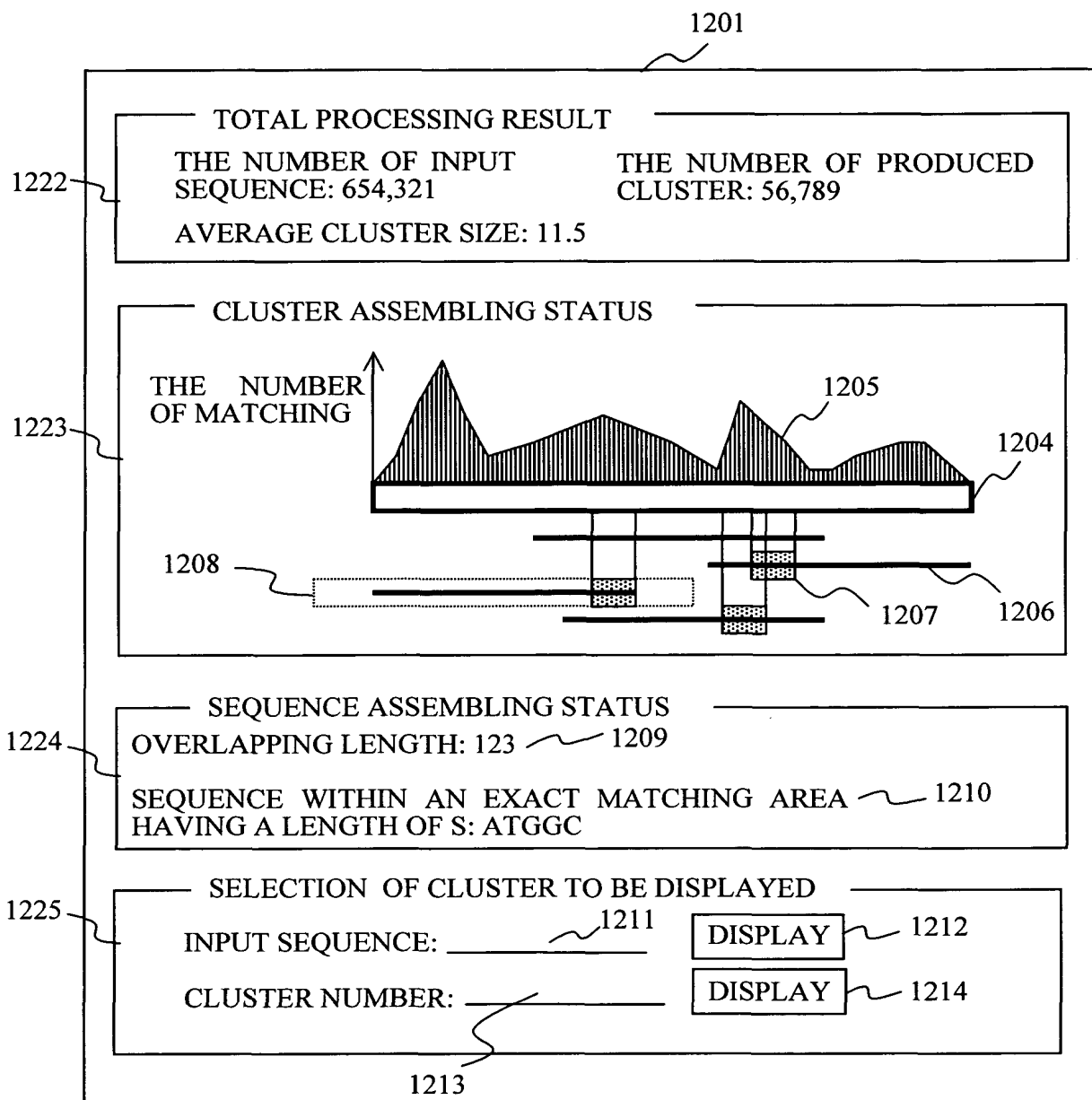


FIG.13

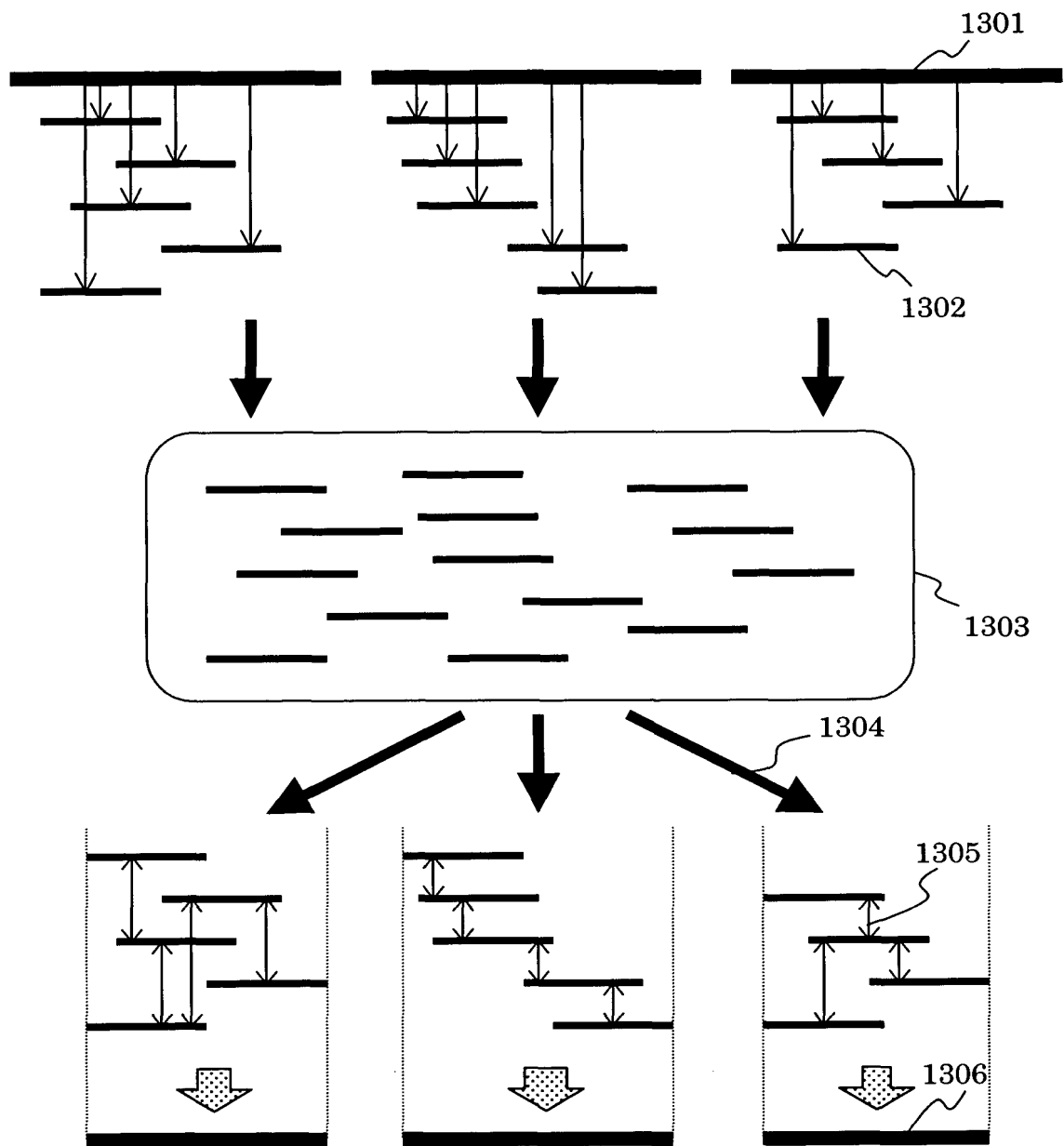


FIG.14

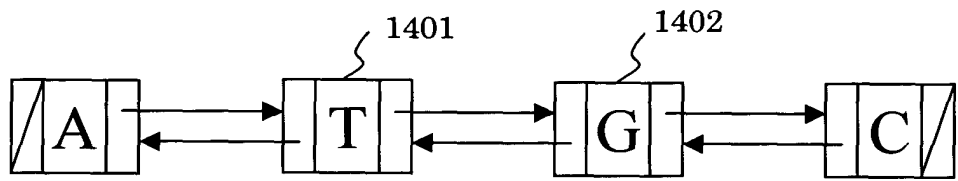


FIG.15

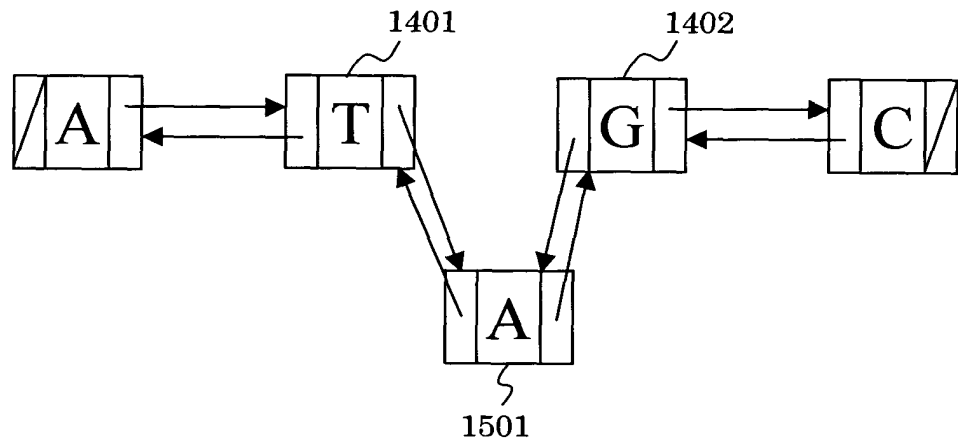


FIG.16



FIG.17

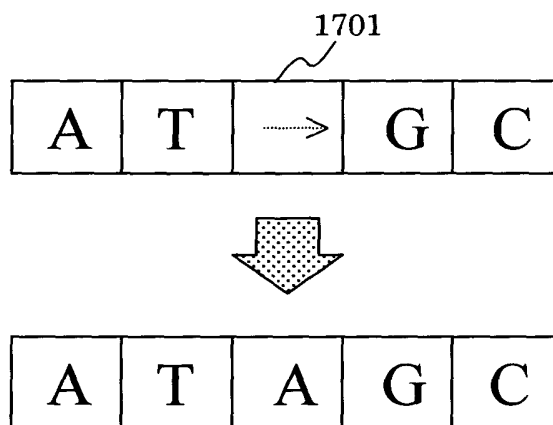


FIG.18

